3D

CineVERSUM

V2.1

photo by courtesy of ONG RADIO
Singapore

BLACKWING MK2014 SERIES

4K VIDEO-PROJECTORS FOR 2D AND 3D HOME-CINEMA

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BLACK WING 3D

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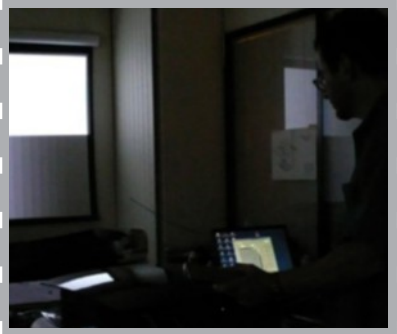
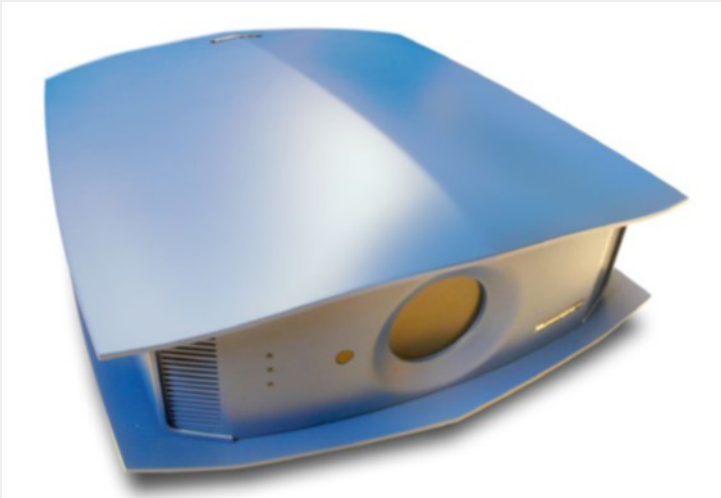
Cineversum Home Cinema Concept



|Designed in France

For the past 25 years, Cineversum has been synonymous of high-quality video products. Adapting the most advanced and sophisticated technologies of the professional cinema industry to exclusive home users.
More than a brand, Cineversum is now a concept. Put simply, Cineversum is Home Cinema *par Excellence*.

Harmony between form and function, the ideal between minimalism, futurism and refinement and the use of pure materials such as aluminium and steel reflect Cineversum's dedication to absolute product integrity.



The Blackwing can be painted in on-demand colors

In our quest for the perfect design, we turned to our nearby environment for inspiration.

The perfect symmetry of a merry-go-round. The gracious curve of the Montmartre Sacré-Coeur. The stark silhouette of the Louvre Pyramid. Inspired by these Parisian landmarks, the Cineversum range was born.
In the flawless representation of each tiny detail and the life-like reproduction of colour we found our ultimate goal: perfection in home cinema.

French designer Antoine Béon wanted the Blackwing line to celebrate the idea of speed and precision with this unforgettable futuristic shape.

Hence the name, BlackWing. With its subtle shapes and purity of form, the Cineversum BlackWing definitely brings you the timelessness and elegance of our City of Lights, Paris.

|Luxurious Material

The cabinet made in ABS-PC, a material also used in the car industry, is a valour in itself. Beyond its extreme resistance to shocks, it also absorbs heat and noise, reducing the working noise level of BlackWing to 19 dB. Last touch, the car paint gives the Blackwing mk2014 Series a luxurious and elegant finish.
All accessories, such as the bespoke Ceiling Mounting Kit and Cine-Twist anamorphic Kit, are made with premium components and the most robust materials.

France is not only the homeland of luxurious jewelry, tasty wine and Parisian gastronomy. On top of a wide array of industrial strengths - amply demonstrated by high-speed trains TGV, Formula One racing cars, the Ariane rocket and Airbus superjumbos - France is at the cutting edge of technological research and innovation.

The Cineversum technicians and dealers have been involved in the Home Cinema industry from its very beginning. Their long experience with the most sophisticated CRT installations, might it be for home cinema or for professional applications is a major asset when it comes to chosing and integrating the newest technologies.

The Cineversum engineers have tested, selected and designed the finest technologies available in the industry, that will turn your home cinema room into a real little cinema.

Photo by courtesy of Bang & Olufsen Tehran, Iran
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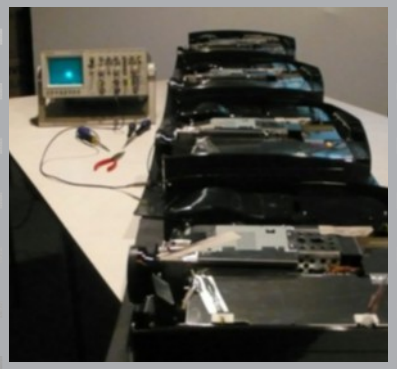
Superior Performance



|Cinema-like Performance

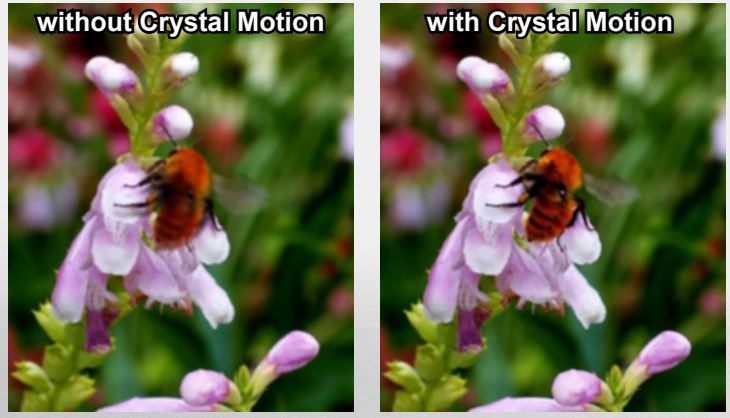
The association of the full-glass *Pro Grade Lens* with a superior 3 chips L-COS 4K-ready engine (up to 150,000:1 native contrast ratio on the BW3) gives the best out of any picture. The new Dynamic Contrast feature can multiply the contrast by 10. The internal video-processor enhances the input signal quality and removes video noise.

The BlackWing projectors comes with 6 preset *Picture Modes (4 on BW1)*. Personal settings can be stored onto one of these 6 pre-configured profiles or the 4 blank user profiles.

On models Two and Three Cineversum added a THX mode, optimized for movie watching in a dedicated dark cinema room. Thanks to the new 7-axis HSL calibration, it has never been so easy to obtain a perfect picture.

An Expert Calibration Menu (via RS232) and CMS functions (Color Management System for color calibration) are accessible for the advanced Cineversum installers (not available on the *Essential* model).

The improved *400 Hz Crystal Motion* mode allows more flexibility by featuring interpolation, black frame insertion and inverse telecine computation. Enjoy live events (sports, concerts, theatre) and TV shows with a true-to-life projection.



Thanks to the new *True Cinema Black II* process of the BlackWing, dark scenes still remain very detailed and balanced, despite the amazing level of contrast. (not available on the *Essential* model).

Cineversum has proved as an expert of 3D projection at home. Watching 3D content on a flat-panel TV is like looking into a doll-house. Only the Blackwing Series can reproduce at home the immersive experience of 3D commercial theatres.

Cineversum is the only brand proposing three kinds of packs for 3D projection: Passive 3D packs, Infrared Active 3D packs and Radio Active 3D packs.

|Extreme Attention to Details

We at Cineversum give an extreme attention to details.

Every single unit is carefully checked and pre-calibrated individually. Each projector is tuned for a top performance and operationally life tested in the Cineversum laboratory. Its unique characteristics are kept in a Manufacturing Identification File.

The finest measurement equipement is used during both the manufacturing and calibration/alignment process in the laboratory, in order to achieve the best possible projected picture out-of-the box and a long-term trouble-free operation.

But eventually, there is no robot than we trust more than the human being, and his delicate sensitiveness.

As Frederic Laurenti - chief calibrator for more than 20 years - said: «in the end of the production process, I always submit the projector to the most accurate testing, the ultimate judge, something that no instrument or computer could challenge, my human eye...»

Photo by courtesy of Frankston HiFi, Australia
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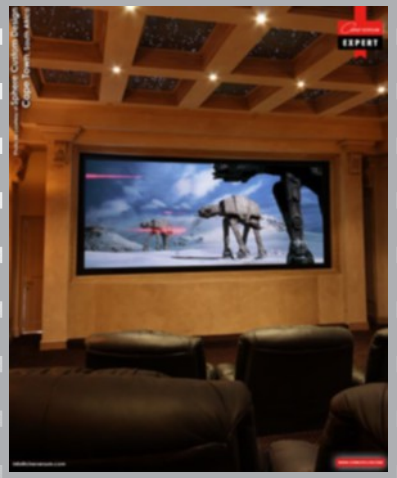
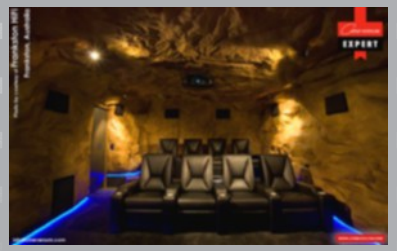
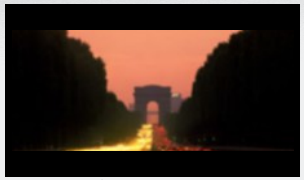
Real Cinema at Home



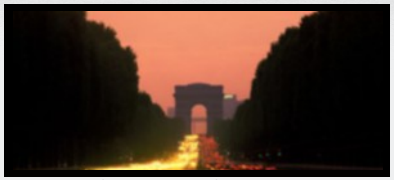


| *Cine-Twist*, the real cinema experience at home

The optional *Cine-Twist* Kit is compatible with the BlackWing mk2014 series and the Cineversum *Theatre* Screens.



a movie on a 16:9 screen

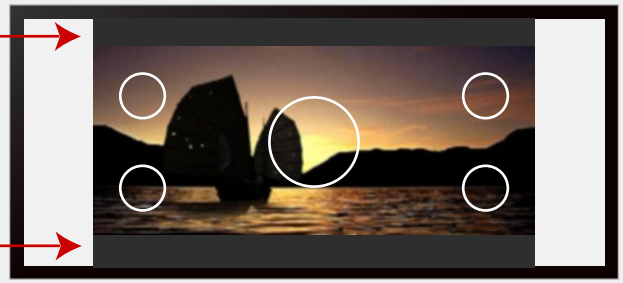


Same movie on a 2.35 cinemascope screen

Thanks to this proprietary accessory, you will be able to watch movies in their genuine cinemascope format on a real cinemascope screen (2.35:1).
This recreates the ambiance and immersive experience of commercial theatres inside your home cinema.The benefits over a 16:9 projection are the use of all the pixels of the matrix (saving the 33% of resolution usually wasted in the black bars) and increase in brightness (+25%) allowing the use of bigger screens.
If you want to watch a classic 16:9 program, such as sports or TV shows, the *Cine-Twist* kit will pull the anamorphic lens off the projector.

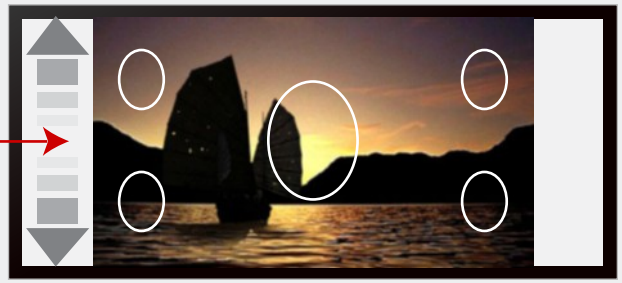
| *Cine-Twist*, the real cinema experience at home

①



Black bars are displayed by inactive pixels when watching a movie using a 16:9 format screen. They imply a consequent loss of the available resolution.

②



To fully use the projector resolution, the active frame is stretched vertically. Doing so, makes every pixel active and the brightness level is greatly enhanced.

In THEATRE Mode, the Anamorphic Lens is moved in front of the projector beam, just like in commercial theatres, in order to magnify the aspect ratio of the picture back to the original 2.35:1 movie format.
The obtained picture is extremely detailed and being projected into a wider format, it allows the use of bigger screens.

③

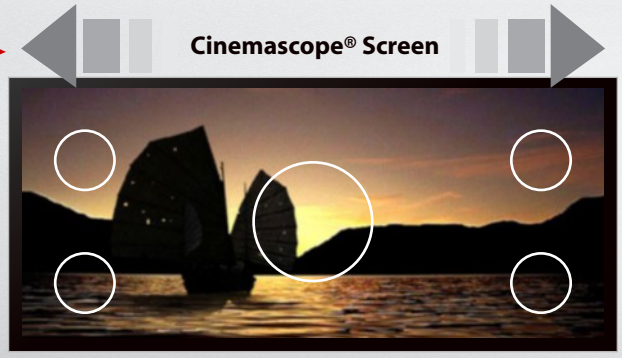


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Photo by courtesy of Ong Radio, Singapore
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The Movie Library

|The Master, a powerful all-in-one multimedia server

Have you ever dreamt of removing all these shelves buried under CD and DVD cases from your living-room? Basically, that's what the Master does. And in fact, it does a lot more.

Put simply, this server is the ideal solutions for people who want to replace a big disk physical collection with a single and relatively small box. Practically, it works a very simple way and does not require a ton of cables, the Master being in itself a storage device, a network server and a video player, all in the same time.

As a result, the Master server is ideal for a home-cinema room. However, it is not limited to only one room. Very easily, the system can be expanded with additional Players in each room where the customer wants to play his music or his movies which have been stored on the Master.

|A user-friendly interface

Very simply, the user can navigate his movie database on his TV or projection screen through a sleek and neat interface. The server library contains all his DVDs and Blu-Ray discs that have been copied onto it.

When selecting a video, a new page displaying all the information and artwork regarding this video will appear: cover, synopsis, directors, casting, languages, year, format etc. At this point, the user can either start playing the video or go back to the library.

Even better, thanks to the application for tablets and smartphones (iPad, iPhone and Android devices) the client can explore his movie library, filter it by title, genre, year of release and so on, or just do a manual research, all this in a very natural and intuitive way.

|Stand-alone device or multiroom installation

The Master can be the sole element of the system, that is to say that there is no additional Player. The display (TV or projector) and audio device are connected directly to the Master. Of course, an internet connection is required for the automatic scraping.

Or you can connect an infinity of Players to the Master via the 1Gb local network (Ethernet) but, small constraint, the Master can provide flawless HD video streams "only" to a maximum of 12 Players in the same time. The entire music and movie library is centralized in a single place, the Master, with a strong data protection thanks to the integrated RAID 5, making the management and the distribution of the library a child's play. This is what professionals call "Multiroom".

Photo by courtesy of Synergy Technologies, Pakistan
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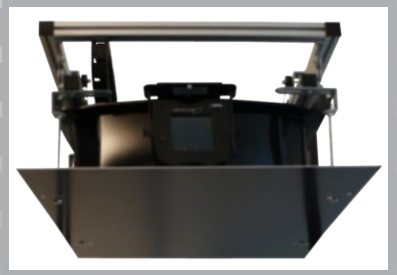
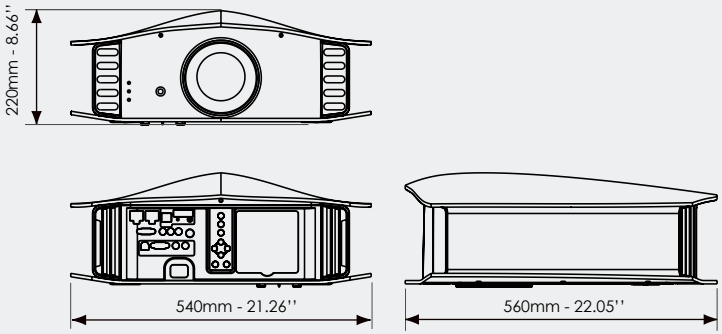
Custom Integration



| Installation Versatility

The fully motorized Pro Grade Lens (zoom, shift and focus) of the Blackwing will make the installation job extremely easy. The 2x zoom (1.4-2.8:1 throw ratio) should be compatible with any kind of room.

The vertical and horizontal lens shift capability can address most challenging configurations. In the worst case, with the keystone correction, it is a child's play to adjust the projector for the most razor-sharp picture.



| Projector Lift

It is sometimes necessary, in a living room or a bedroom for example, to hide the projector away when it's not in use.

Cineversum has designed a motorized lift that goes between the ceiling and the false ceiling, where the lift, the projector and the cables will be removed from sight, thus granting the best aesthetic and practical solution.

Tailor-made for the Blackwing and its dedicated options, such as the Cine-Twist anamorphic kit or the famous Passive 3D Kit, this lift can also accomodate most large and heavy video projectors up to 25 Kg of weight.

The lift for Blackwing is supplied with an extremely silent motor that allows a descent from a minimum of 14,5 cm to a maximum of 96 cm.

Moreover, it is supplied with some extendable side brackets in order to allow an easy fixing of the panel of your false ceiling by adjustable threaded bars. The panel can be mounted under the projector, even if the projector is larger than the lift itself.

Another interesting element of this lift is a flexible cables duct with a raceway where to put the cables connected to the projector, so they will be hidden and tidy gathered when the projector lift is going up.

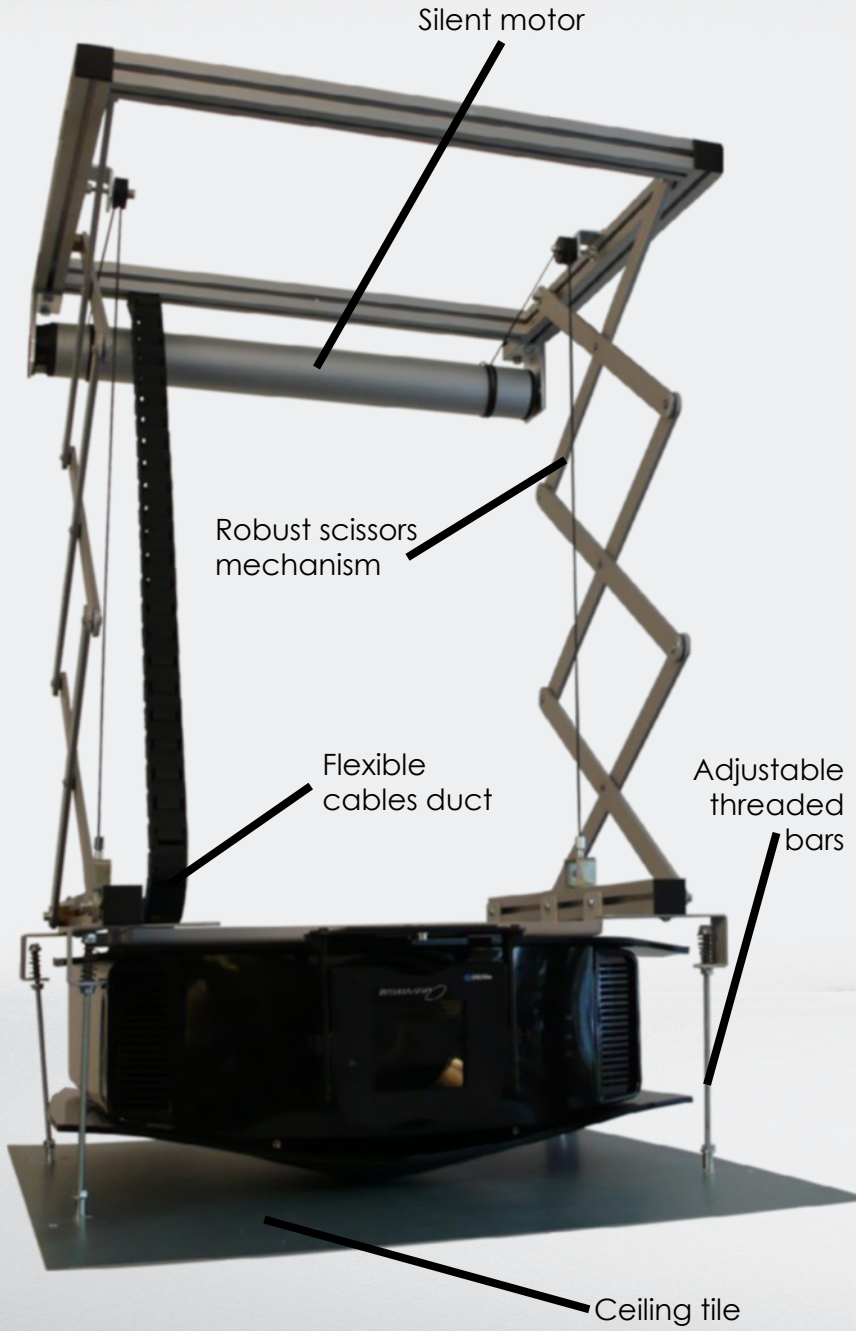


Photo by courtesy of AFM Domotics, Italy
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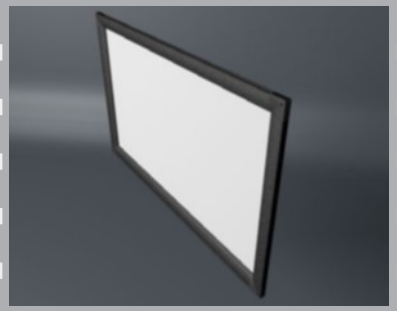
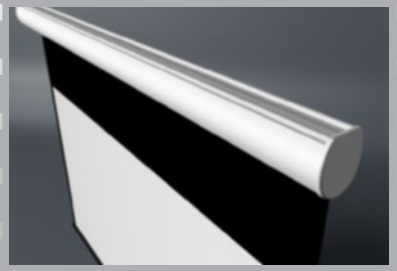
Projection Screens





|The Screen is a key element of a Home Theatre

There is no good projection experience without a perfectly selected projection screen. The wrong choice of screen can anhilate all your efforts and investment with the projection system.

Made in Europe, with aesthetic design, the Cineversum Screens are the perfect companion for the Cineversum projectors. All the materials which e use are quality-controlled for a comfortable use and a long-lasting existence.

Cineversum proposes a rich line of models to suit your needs. The classical frame screen which recreates the atmosphere of a commercial theatre, the retractable motorized screen which will remain discrete in your interior and the multi-formats screens for an optimal adequation between your screen and your displayed picture.

|Cineversum Frame Screen

• The classical on-wall fixed screen

• Elegant velvet-covered aluminium frame (absorbs overscan and increase the perceived contrast ratio)

• Easy to mount and perfect for dedicated home cinema rooms

• Available in various picture formats (4:3, 16:9 and cinemascope) and various sizes

• Various kinds of screen materials available (including acousticaly transparent)

|Cineversum Motorized Screen

• The discreet screen *par excellence* which can hide away in a classy white case or into the ceiling when not in use

• Perfect for living-rooms, bedrooms and multi-media rooms

• Can be remote controlled

• Available in 16:9 picture format with optional tab-tensioning cables for a curl-free performance

• Various sizes and screen materials available

|Cineversum Theatre Screen

• The ideal companion of the Cineversum Cine-Twist kit

• Native 2.35:1 aspect ratio

• Optional electric side maskings to convert the screen from one aspect ratio to another

• The black borders increase the eye-perception of contrast and sharpness

Cineversum offers a wide choice of screen material:

The "Classique" neutral gain white cloth, the Grey high-contrast cloth, the Micro-Perforated accousticaly transparent clot, the rear-projection cloth and the "Passive 5d" polarized cloth.

Every home cinema room is unique, due to ambiant light conditions, screen size, throwing distance, projector model. But we have the screen for you and our Cineversum Authorized Dealers and Installers can help you make the best choice.

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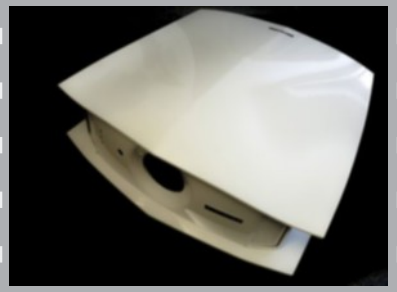
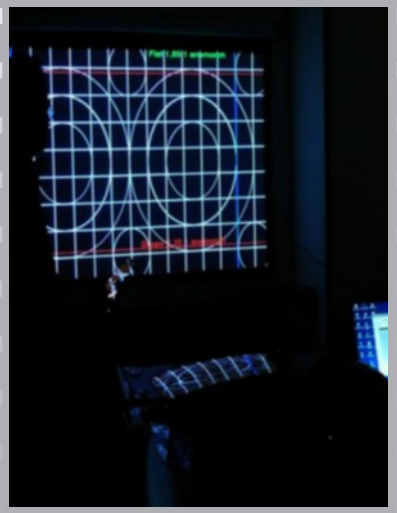
Cineversum Network





| A dedicated Cineversum Network

The Cineversum projectors are turn-key products. Nevertheless, in order to achieve the best possible performance and configuration, a precise installation and calibration by an experienced dealer or installer is recommended.
Cineversum only supplies its projection and video equipment through a limited network of carefully selected and highly skilled dealers all over the world.

These «Cineversum Authorized Dealers/Installers» are trained to calibrate all the video components within the complete Home Cinema installation to give you a true video reference result that only a Cineversum projector is capable of delivering.

Dealers or custom installers carrying the Cineversum authorized labels have proven their capability and experience over a long partnership with Cineversum.

This statement is the guarantee that your video-projector, projection screen, audio equipment, connectic and control-room systems will be perfectly professionally installed and optimally tuned. A tailor-made approach that will respect your budget and interior design.

Cineversum rules the Universum ! In Rio, Shanghai, Tokyo, Milan, Lahore, London, Los Angeles, Sydney, Geneva, Cape Town, Singapore, Tehran, Madrid, Lisbon, New York or Moscow, there are Cineversum partners all around the World.

Check www.cineversum.com to find out yours or contact us at info@cineversum.com.

Model Version		BlackWing *Essentials*	BlackWing One	BlackWing Two	BlackWing Three
P/N for the Active 3D Packs (IR / RF)		R9201400 (No pack offers)	R9201401 / R9201404	R9201402 / R9201405	R9201403 / R9201406
P/N for the Passive 3D Packs			R9201407	R9201408	R9201409
Display Resolution		Full-HD 1920x1080 Resolution	3840 x 2160 (4K Resolution)		
Panel Technology		3-chip LCOS 0.7 inch panel			
Optic type and Throw Ratio		Full-glass Motorized (zoom & focus) 1.4 - 2.8:1 (2x zoom)			
Lens Slide Cover		NO		YES	
Screen Size (16:9)		60" - 260" diagonal			
Screen Offset		Motorized Optical Shift : +/- 80% vertically +/- 34% horizontally			
Lens Memories		5		10	
Lamp Consumption & Brightness		230 W Bulb - up to 4 000 hours (with lamp set to Low mode) (P/N R8760004) - 1 300 ansi lumens			
Adjustable Lens Aperture		16 steps	Auto 1, Auto 2, Manual 16 steps		
Native Contrast Ratio		50 000:1	60 000:1	120 000:1	150 000:1
Dynamic Contrast Ratio		NA	600 000:1	1 200 000:1	1 500 000:1
Noise Level		Less than 19 dB (Practically not perceptible)			
Inputs		2x HDMI 1x Component (3 RCA)	2x HDMI		
Expert Calibration Menu		NO		YES (for calibration expert only)	
Picture Modes		6 Presets + 5 User Modes	4 Presets + 4 User Modes	6 Presets + THX + 4 User Modes + 4 for Installation Expert only	
Color Space Profiles		3 Presets	10 Presets + 5 Users	20 Presets + 5 Users	
Professional / Home-cinema Video Processing		120Hz Crystal Motion®	400Hz Crystal Motion® True Cinema Black II ® (new Clear Black algorithm) 4K Interpolation (3840 x 2160)		
Screen Adjustment		3 Modes	106 Modes		
3D Method		Active Packs or Passive Packs			
3D Compatibility		Frame Packing, Side-by-Side, Top & Bottom (including 720p/1080p24 Side by Side)			
CMS Functions		NO	YES (7-Axis)		
1/16 Pixel & Zone Colour Alignment		NO	YES		
Power Voltage and Consumption		AC 110~240V 50/60Hz 330 W	AC 110~240V 50/60Hz 360 W (0.4W at Eco Mode)		
Home Automation Control		RS-232 (Dsub 9) / LAN RJ45			
Digital Keystone & Pincushion		YES H+/- 40° / V+/- 30° (not in 3D Mode)	YES V+/- 16° (not in 3D Mode)		
Dimensions (LxWxH) and Weight		560 x 540 x 220 mm (22.05x 21.26 x 8.66 inches) and 15.8 kg (34.8 lbs)		560 x 540 x 220 mm (22.05x 21.26 x 8.66 inches) and 16.6 kg (36.6 lbs)	
Box dimensions		61x58x41 mm - 21 kg (67x66x52 cm – 23 kg when shipped individually)			
OPTIONS	3D Glasses	InfraRed Active Shutter Glasses (P/N R1048219) / Radio-Frequency Active Shutter Glasses (P/N R1048223) / Passive Glasses (P/N R1048211)			
	Ceiling Mount Kit	P/N R9852067			
	Cinemascope Kit	Cine-Twist Kit (P/N T9006000)			